



**Product:** [639948](#)

PTZ, RG-6 #18, #18-2c, CMP, Siamese

## Product Description

PTZ (CCTV + Power/Audio) Cable, Plenum-CMP, 1-RG6 18 AWG solid bare copper with foam FEP, 95% bare copper braid, 1-18 AWG stranded bare copper pair with Flamarrest® insulation, Siamese with Flamarrest® jacket

## Technical Specifications

### Product Overview

Suitable Applications:	Surveillance, CCTV Camera, PTZ (Pan-Tilt-Zoom)
------------------------	--

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Coax
18	Solid	BC - Bare Copper			1
18		BC - Bare Copper	0.047 in	2	

Conductor Count:	3
------------------	---

#### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.170 in
PVC - Polyvinyl Chloride	0.062 in

Table Notes:	Gas Injected
--------------	--------------

#### Color Chart

Number	Color
Coax Core	White
Pair1	Black & Red

#### Inner Shield Material

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%
	No Shield	

#### Inner Jacket Material

Nominal Diameter
0.230 in

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.230 in x 0.424 in

### Construction and Dimensions

OuterJacket1, Nominal Width:	0.0394 in
------------------------------	-----------

### Electrical Characteristics

#### Conductor DCR

Element	Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Inner Shield DCR
Coax(es)	6.4 Ohm/1000ft	6.4 Ohm/1000ft		2.2 Ohm/1000ft

#### Capacitance

Element	Nom. Capacitance Conductor to Conductor
Coax	16.1 pF/ft
Pair1	

#### Impedance

Element	Nominal Characteristic Impedance
Coax	75 Ohm

#### High Frequency (Nominal/Typical)

Frequency [MHz]
1 MHz
5 MHz
10 MHz
50 MHz
100 MHz
200 MHz
400 MHz
700 MHz
900 MHz
1000 MHz

#### Delay

Element	Max. Delay Skew	Nominal Delay
Coax	84 ns/100m	1.21 ns/ft

#### Current

Element
Coax
Pair1

#### Temperature Range

Installation Temp Range:	0°C To +75°C
UL Temp Rating:	75°C
Operating Temp Range:	0°C To +75°C
Separation Temp Range:	0°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight:	55 lbs/1000ft
Max. Pull Tension:	89 lbs

#### Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	6/U Type

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

MII Order #39 (China RoHS):	Yes
-----------------------------	-----

## Suitability

Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes

## Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
---------------	-----

## Part Number

Non-Plenum Number:	539945
--------------------	--------

## Variants

Item #	Color	Putup Type	Length	UPC
639948 877500	Natural	Reel	500 ft	612825176558
639948 8771000	Natural	Reel	1,000 ft	612825176541

## Product Notes

Notes:	18 AWG pair is unshielded
--------	---------------------------

## History

Update and Revision:	Revision Number: 0.326 Revision Date: 08-25-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Coaxial Cables](#) category:*

*Click to view products by [Belden](#) manufacturer:*

Other Similar products are found below :

[89880-003-1000](#) [633948-877-1000](#) [CY2389-000](#) [8213-010-1000](#) [8221-010-U1000](#) [8233-010-1000](#) [88281-010-500](#) [1322R-010-1000](#) [177799-000](#) [1807A-B59-U1000](#) [9167-010-1000](#) [9251-010-1000](#) [9275-010-U1000](#) [935240-000](#) [9659-010-1000](#) [980704-001](#) [CF2823-000](#) [33312-010-500](#) [CZ1589-000](#) [5022W0809-0CS3263](#) [10610-4-4](#) [EF8108-000](#) [1673B TIN100](#) [672525-001](#) [144517-000](#) [8-1616396-1](#) [8263-010-U1000](#) [8263 010U500](#) [8268-010-500](#) [8262 010U1000](#) [7915A 009U1000](#) [5024A1311-0](#) [TRC-75-1](#) [1281S5 010250](#) [1281S5 000250](#) [1530A 010U1000](#) [1505A 0081000](#) [9248 010U1000](#) [CO-142BNCX200-001](#) [7809WB 010500](#) [9244 0101000](#) [1694A 0081000](#) [9204 0101000](#) [8241F J5C1000](#) [1530A 0101000](#) [1674A TIN50](#) [7915A 0091000](#) [7915A 010500](#) [TWCH-78-2](#) [TWC-78-1](#)